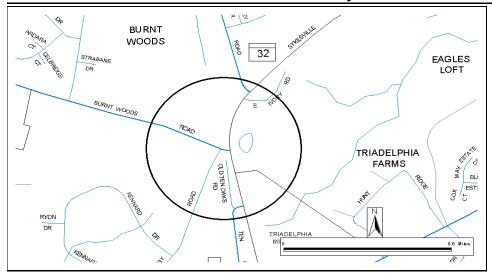




Howard



**PROJECT:** MD 32, Patuxent Freeway

**DESCRIPTION:** Construct a new interchange at Burntwoods Road.

JUSTIFICATION: This project will improve safety and operations and relieve congestion in the heavily traveled corridor.

#### **SMART GROWTH STATUS:**

L	Project Not Location Specific or	r Lo	ocation Not Determined
[	Project Within PFA		Project Outside PFA; Subject to Exception
Ĺ	Grandfathered	X	Exception Approved by BPW/MDOT

# ASSOCIATED IMPROVEMENTS: MD 32, MD 108 to I-70 (Line 5)

		Federal Fun	ding By Year	of Obligation	<u>on</u>						
	FFY	FFY	FFY	FFY	FFY	FEDERAL					
PHASE	PHASE 2005 2006 2007 2008 2009 - 20										
PP	0	0	0	0	0						
PE	0	0	0	0	0						
RW	0	0	0	0	0						
co	0	0	16837	0	0	NHS					

**STATUS:** Engineering underway. Right-of way to begin during current fiscal year.

SIGNIFICANT CHANGE FROM FY 2004 - 09 CTP: This breakout project was added to the Construction Program from the Development and Evaluation Program (Line 5) due to the Revenue Increase.

POTENTIA	AL FUNDING S	SOURCE:		X SPEC	IAL X FE	EDERAL	GENERAL	OTHER	₹	
	TOTAL			PROJI	ECT CASH F	LOW				
PHASE	<b>ESTIMATED</b>	<b>EXPEND</b>	CURRENT	BUDGET					SIX	BALANCE
	COST	THRU	YEAR	YEAR	FOR P	LANNING P	URPOSES C	NLY	YEAR	TO
	(\$000)	2004	2005	2006	2007	2008	2009	2010	TOTAL	COMPLETE
Planning	0	0	0	0	0	0	0	0	(	0 0
Engineering	2,100	0	500	1,000	600	0	0	0	2,100	0 0
Right-of-way	3,806	0	10	1,990	1,806	0	0	0	3,806	6 0
Construction	n 21,586	0	0	0	0	10,203	11,383	0	21,586	6 0
Total	27,492	0	510	2,990	2,406	10,203	11,383	0	27,492	2 0
Federal-Aid	16,837	0	0	0	0	7,958	8,879	0	16,83	7 0

**FUNCTION:** 

STATE - Minor Arterial

FEDERAL - Other Principal Arterial

**STATE SYSTEM:** Primary

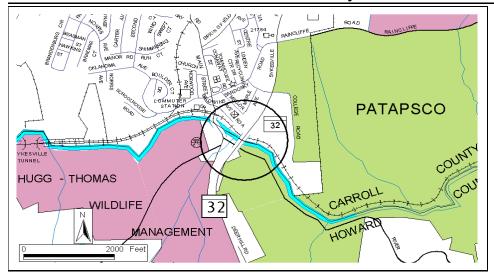
**DAILY TRAFFIC: (USAGE IMPACTS)** 

**CURRENT (2003) - 25,000** 

PROJECTED (2030) - 48,700

OPERATING COST IMPACT \$15,000 per year

STIP REFERENCE # HO3111 PAGE H-114 12/01/2004



PROJECT: MD 32, Sykesville Road

<u>DESCRIPTION:</u> Replaced Bridge 13046 over River Road, Patapsco River and CSX Railroad, immediately west of its existing location. Shoulders will accommodate bicycles and pedestrians.

<u>JUSTIFICATION:</u> This project replaced the existing deteriorating aluminum bridge. The existing bridge is historic and will remain in place.

#### **SMART GROWTH STATUS:**

Project Not Location Specific or Location Not Determined
Project Within PFA
Project Outside PFA; Subject to Exception
Grandfathered
X Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:** 

		Federal Fund	ding By Year	of Obligati	<u>on</u>	
	FFY	FFY	FFY	FFY	FFY	FEDERAL
PHASE	CATEGORY					
PP	0	0				
PE	0	0	0	0	0	
RW	0	0	0	0	0	
CO	0	0	0	0	0	

STATUS: Open to service.

SIGNIFICANT CHANGE FROM FY 2004 - 09 CTP: None.

POTENTIA	AL FUNDING S	SOURCE:		X SPECIAL X FEDERAL GENERAL OTHER						
	TOTAL			PROJECT CASH FLOW						
PHASE	<b>ESTIMATED</b>	<b>EXPEND</b>	CURRENT	BUDGET					SIX	BALANCE
	COST	THRU	YEAR	YEAR	FOR P	LANNING P	URPOSES (	<u> YUNC</u>	YEAR	TO
	(\$000)	2004	2005	2006	2007	2008	2009	2010	TOTAL	COMPLETE
Planning	0	0	0	C	0	0	0	0	(	0 0
Engineering	722	722	0	C	0	0	0	0	(	0 0
Right-of-way	y 244	187	57	C	0	0	0	0	5	7 0
Construction	n 4,842	4,739	103	C	0	0	0	0	10	3 0
Total	5,808	5,648	160	C	0	0	0	0	16	0 0
Federal-Aid	4,544	4,507	37	C	0	0	0	0	3	7 0

**FUNCTION:** 

STATE - Minor Arterial

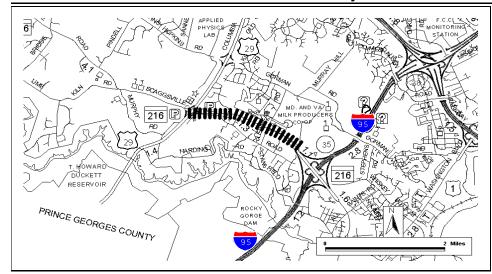
FEDERAL - Minor Arterial

**STATE SYSTEM:** Secondary

**DAILY TRAFFIC: (USAGE IMPACTS)** 

**CURRENT (2003) -** 22,300

PROJECTED (2030) - 29,500



PROJECT: MD 216 Relocated, Scaggsville Road

<u>DESCRIPTION:</u> Construct a 6 lane highway on new location to replace existing MD 216 from west of I-95 to US 29 (2.80 miles). Wide curb lanes will accommodate bicycles, and the project also includes a pedestrian facility.

<u>JUSTIFICATION:</u> MD 216 is a minor arterial serving southern Howard County. The existing roadway is geometrically deficient and discontinuous, utilizing a short section of a county road. The new roadway will provide a continuous arterial highway between I-95 and US 29, and will accommodate expected growth in this area.

#### **SMART GROWTH STATUS:**

Project Not Location Specific or Location Not Determined

 X
 Project Within PFA

 Project Outside PFA; Subject to Exception

X Grandfathered Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

		Federal Fund	ding By Year	of Obligation	<u>on</u>	
	FFY	FFY	FFY	FFY	FFY	FEDERAL
PHASE	CATEGORY					
PP	0	0	0	0	0	
PE	0	0	0	0	0	
RW	0	0	0	0	0	
СО	0	0	0	0	0	

**STATUS:** Construction underway. Howard County contributing funds towards construction of the 5th and 6th lanes.

SIGNIFICANT CHANGE FROM FY 2004 - 09 CTP: None.

POTENTIA	AL FUNDING S	SOURCE:		X SPEC	X SPECIAL X FEDERAL GENERAL X OTHER						
	TOTAL			PROJECT CASH FLOW							
PHASE	<b>ESTIMATED</b>	<b>EXPEND</b>	CURRENT	BUDGET					SIX	BALANCE	
	COST	THRU	YEAR	YEAR	FOR PL	ANNING P	JRPOSES C	NLY	YEAR	TO	
	(\$000)	2004	2005	2006	2007	2008	2009	2010	TOTAL	COMPLETE	
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	4,647	4,647	0	0	0	0	0	0	0	0	
Right-of-way	4,599	3,896	548	155	0	0	0	0	703	0	
Construction	n 19,373	14,210	3,002	2,161	0	0	0	0	5,163	0	
Total	28,619	22,753	3,550	2,316	0	0	0	0	5,866	0	
Federal-Aid	19,053	14,424	2,757	1,872	0	0	0	0	4,629	0	

**FUNCTION:** 

STATE - Minor Arterial

FEDERAL - Minor Arterial

**STATE SYSTEM:** Secondary

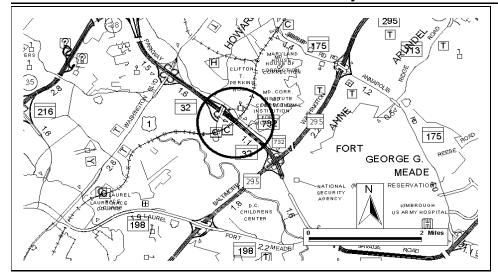
**DAILY TRAFFIC: (USAGE IMPACTS)** 

**CURRENT (2003)** - 17,500 (existing MD 216)

PROJECTED (2030) - 55,300

**OPERATING COST IMPACT** \$13,000 per year

STIP REFERENCE # HO3061 12/01/2004 PAGE H-116



PROJECT: MD 732, Guilford Road

<u>DESCRIPTION:</u> Replace Bridge 13029 over CSX Railroad. Sidewalks and shoulders will accommodate bicycles and pedestrians.

**JUSTIFICATION:** This project will replace the existing deteriorating bridge.

#### **SMART GROWTH STATUS:**

Project Not Location Specific or Location Not Determined

X Project Within PFA Project Outside PFA; Subject to Exception
Grandfathered Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:** 

		Federal Fund	ding By Year	of Obligation	<u>on</u>						
FFY FFY FFY FFY											
PHASE	2005	2006	2007	2008	2009 - 2010	CATEGORY					
PP	0	0	0	0	0						
PE	0	0	0	0	0						
RW	0	0	0	0	0						
CO	0	0	0	0	0						

**STATUS:** Construction to begin during current fiscal year. SHA, Anne Arundel County and Howard County are sharing the cost of construction. Cost shown is SHA share only. Project to be advertised by Howard County.

**SIGNIFICANT CHANGE FROM FY 2004 - 09 CTP:** Construction delayed from FY04 to FY05 due to a delay in the acquisition of needed Right-of-way.

POTENTIA	AL FUNDING S	SOURCE:		X SPEC	X SPECIAL X FEDERAL GENERAL X OTHER						
	TOTAL			PROJECT CASH FLOW							
PHASE	<b>ESTIMATED</b>	<b>EXPEND</b>	CURRENT	BUDGET					SIX	BALANCE	
	COST	THRU	YEAR	YEAR	FOR P	LANNING P	URPOSES (	ONLY	YEAR	TO	
	(\$000)	2004	2005	2006	2007	2008	2009	2010	TOTAL	COMPLETE	
Planning	0	0	0	0	0	0	0	0	(	0	
Engineering	58	58	0	0	0	0	0	0	(	0	
Right-of-way	y 0	0	0	0	0	0	0	0	(	0	
Construction	n 930	0	158	772	0	0	0	0	930	0	
Total	988	58	158	772	0	0	0	0	930	0	
Federal-Aid	147	147	0	0	0	0	0	0	(	0	

**FUNCTION:** 

STATE - Local

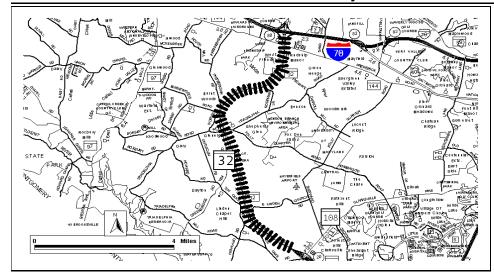
FEDERAL - Local

**STATE SYSTEM:** Secondary

**DAILY TRAFFIC: (USAGE IMPACTS)** 

**CURRENT (2003) - 13,800** 

PROJECTED (2030) - 36,200



PROJECT: MD 32, Patuxent Freeway

<u>DESCRIPTION:</u> Study to upgrade existing MD 32 from MD 108 to I-70 to address safety concerns (9.06 miles).

<u>JUSTIFICATION:</u> This project would address safety problems which have been experienced as a result of increasing traffic volumes on the existing 2 lane roadway.

#### **SMART GROWTH STATUS:**

X	Project Not Location Specific or	r Lc	cation Not Determined
	Project Within PFA		Project Outside PFA; Subject to Exception
	Grandfathered	X	Exception Approved by BPW/MDOT

#### **ASSOCIATED IMPROVEMENTS:**

MD 32, Interchange at Burntwoods Road (Line 1)

		Federal Fund	ding By Year	of Obligation	<u>on</u>						
FFY FFY FFY FFY FE											
PHASE	CATEGORY										
PP	0	0	0	0	0						
PE	0	0	0	0	0						
RW	0	0	0	0	0						
СО	0	0	0	0	0						

**STATUS:** Project Planning underway. Protective Right-of-way funding to be used as properties become available. An additional \$12.1 million is needed to complete Right-of-way.

SIGNIFICANT CHANGE FROM FY 2004 - 09 CTP: Interchange at Burntwoods Road moved to the Construction Program (Line 1) as a breakout project.

POTENTIA	AL FUNDING S	SOURCE:		X SPEC	IAL X FE	DERAL	GENERAL	- OTHEI	₹	
	TOTAL			PROJI	PROJECT CASH FLOW					
PHASE	<b>ESTIMATED</b>	<b>EXPEND</b>	CURRENT	BUDGET					SIX	BALANCE
	COST	THRU	YEAR	YEAR	FOR P	LANNING P	URPOSES	<u>ONLY</u>	YEAR	TO
	(\$000)	2004	2005	2006	2007	2008	2009	2010	TOTAL	COMPLETE
Planning	2,797	2,097	625	75	0	0	0	0	70	0 0
Engineering	0	0	0	0	0	0	0	0	(	0 0
Right-of-way	y 7,574	512	750	1,262	1,262	1,262	1,262	1,264	7,06	2 0
Construction	n 0	0	0	0	0	0	0	0	(	0 0
Total	10,371	2,609	1,375	1,337	1,262	1,262	1,262	1,264	7,76	2 0
Federal-Aid	1,958	1,468	438	52	0	0	0	0	49	0 0

#### **FUNCTION:**

STATE - Minor Arterial

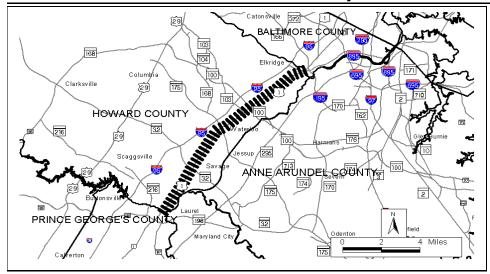
FEDERAL - Other Principal Arterial

**STATE SYSTEM:** Primary

**DAILY TRAFFIC: (USAGE IMPACTS)** 

**CURRENT (2003)** - 24,600

PROJECTED (2030) - 57,800



PROJECT: US 1, Washington Boulevard

<u>DESCRIPTION:</u> Study potential improvements along the US 1 corridor from the Prince George's County Line to the Baltimore County Line, including potential interchange improvements at MD 175, Guilford and Corridor Roads (11.0 miles).

<u>JUSTIFICATION:</u> Howard County rezoned the entire US 1 corridor and completed a Corridor Revitalization Study which identified several improvements along US 1. This study will address the impacts of the rezoning and the Study on the US 1 corridor.

#### **SMART GROWTH STATUS:**

Project Not Location Specific or Location Not Determined

Project Within PFA Project Outside PFA; Subject to Exception

Grandfathered Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

	Federal Funding By Year of Obligation							
	FFY	FFY	FFY	FFY	FFY	FEDERAL		
PHASE	2005	2006	2007	2008	2009 - 2010	CATEGORY		
PP	1000	0	0	0	0	STP		
PE	0	0	0	0	0			
RW	0	0	0	0	0			
co	0	0	0	0	0			

STATUS: Project Planning to begin during current fiscal year.

**SIGNIFICANT CHANGE FROM FY 2004 - 09 CTP:** Added to the Development and Evaluation Program due to the Revenue Increase.

POTENTI	AL FUNDING S	X SPEC	IAL X FE	DERAL	GENERAL	. OTHE	R			
	TOTAL			PROJ	ECT CASH F	LOW				
PHASE	<b>ESTIMATED</b>	<b>EXPEND</b>	CURRENT	BUDGET					SIX	BALANCE
	COST	THRU	YEAR	YEAR	FOR P	LANNING P	URPOSES (	ONLY	YEAR	TO
	(\$000)	2004	2005	2006	2007	2008	2009	2010	TOTAL	COMPLETE
Planning	1,250	0	450	800	0	0	0	0	1,25	0 0
Engineering	0	0	0	0	0	0	0	0		0 0
Right-of-way	y 0	0	0	0	0	0	0	0		0 0
Construction	n 0	0	0	0	0	0	0	0		0 0
Total	1,250	0	450	800	0	0	0	0	1,25	0 0
Federal-Aid	1,000	0	360	640	0	0	0	0	1,00	0 0

**FUNCTION:** 

STATE - Minor Arterial

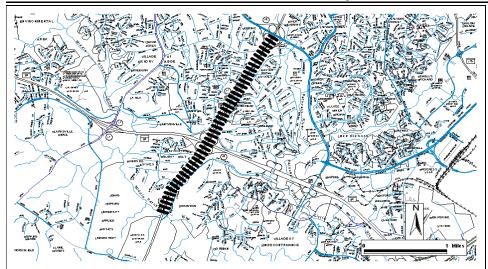
FEDERAL - Other Principal Arterial

**STATE SYSTEM:** Secondary

**DAILY TRAFFIC: (USAGE IMPACTS)** 

**CURRENT (2003) - 36,500** 

**PROJECTED (2030) -** 48,300



PROJECT: US 29, Columbia Pike

**DESCRIPTION:** Widen the northbound section of US 29 from the Middle Patuxent River to Broken Land Parkway from 2 to 3 lanes (2.85 miles).

JUSTIFICATION: This project will improve safety and reduce congestion with the upgrade of US 29 to match the southbound section, which is 3 lanes.

#### **SMART GROWTH STATUS:**

Project Not Location Specific or Location Not Determined X Project Within PFA Project Outside PFA; Subject to Exception

Exception Approved by BPW/MDOT

Grandfathered

**ASSOCIATED IMPROVEMENTS:** 

		Federal Fund	ding By Year	of Obligation	<u>on</u>	
	FFY	FFY	FFY	FFY	FFY	FEDERAL
PHASE	2005	2006	2007	2008	2009 - 2010	CATEGORY
PP	0	0	0	0	0	
PE	0	0	0	0	0	
RW	0	0	0	0	0	
СО	0	0	0	0	0	

STATUS: Engineering to begin during current fiscal year. Howard County participating in cost of Engineering. Cost shown is SHA share only.

SIGNIFICANT CHANGE FROM FY 2004 - 09 CTP: Added to the Development and Evaluation Program due to the Revenue Increase.

POTENTIAL FUNDING SOURCE:				X SPEC	IAL X FE	DERAL	GENERAL	X OTHER	٦	
	TOTAL			PROJE	CT CASH F	LOW				
PHASE	<b>ESTIMATED</b>	<b>EXPEND</b>	CURRENT	BUDGET					SIX	BALANCE
	COST	THRU	YEAR	YEAR	FOR P	LANNING P	URPOSES (	ONLY	YEAR	TO
	(\$000)	2004	2005	2006	2007	2008	2009	2010	TOTAL	COMPLETE
Planning	0	0	0	0	0	0	0	0	(	0
Engineering	1,700	0	340	680	680	0	0	0	1,700	0
Right-of-way	, 0	0	0	0	0	0	0	0	(	0
Construction	n 0	0	0	0	0	0	0	0	(	0
Total	1,700	0	340	680	680	0	0	0	1,700	0
Federal-Aid	0	0	0	0	0	0	0	0	(	0

**FUNCTION:** 

STATE - Principal Arterial

FEDERAL - Freeway/Expressway

**STATE SYSTEM:** Primary

**DAILY TRAFFIC: (USAGE IMPACTS)** 

**CURRENT (2003) - 62,800** 

PROJECTED (2030) - 88,400

### STATE HIGHWAY ADMINISTRATION -- HOWARD COUNTY LINE 8

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2004
		Fiscal Year 2004 Completions		
		Resurface/Rehabilitate		
1	MD 108	Waterloo Road; MD 104 to west of Snowden River Parkway; resurface	330	Completed
		Fiscal Years 2005 and 2006		
		Resurface/Rehabilitate		
2	US 1	Washington Boulevard; CSX Railroad Structure 140 881 Y to the Baltimore County Line; resurface (Revenue Increase Project)	895	FY 2006
3	US 1	Washington Boulevard; 200 feet north of Whiskey Bottom Road to Structure 13099 over CSX Railroad; resurface (Revenue Increase Project)	2,288	FY 2005
4	US 40	Baltimore National Pike; MD 144 to Bridge 13032 over Little Patuxent River; resurface	977	Completed
5	US 40	Baltimore National Pike; Structure 13032 over Little Patuxent River to St. Johns Lane; resurface	1,006	Completed
6	I 70	Baltimore National Pike; West of the Howard County Line to the MD 97 structure; resurface (Revenue Increase Project)	5,428	Under construction
7	MD 108	Waterloo Road; Old Montgomery Road to MD 175; resurface	929	Completed
		Safety/Spot Improvement		
8	US 29	Columbia Pike; Brokenland Parkway to MD 175; interchange lighting	200	FY 2005
9	US 40	Baltimore National Pike; at Pebble Beach Drive and MD 144; widen to provide double left turn lanes (Funded for preliminary engineering only)	153	FY 2005
10	I 70	Various locations throughout Howard County; replace turndown end treatments and upgrade traffic barriers (Revenue Increase Project)	182	FY 2005

# STATE HIGHWAY ADMINISTRATION -- HOWARD COUNTY LINE 8 (cont'd)

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2004
		Fiscal Years 2005 and 2006 (cont'd)		
		Safety/Spot Improvement (cont'd)		
11	I 95	Various locations throughout Howard County; replace turndown end treatments and upgrade traffic barriers (Revenue Increase Project)	34	FY 2005
12	MD 99	Old Frederick Road; at Liter Drive and at Tiller Drive; intersection improvements (Funded for preliminary engineering only)	209	PE Underway
13	MD 100	At northwest quadrant of I-95 interchange and at Meadow Ridge Road; drainage improvement	268	FY 2005
14	MD 100	Various locations throughout Howard County; replace turndown end treatments and upgrade traffic barriers (Revenue Increase Project)	29	FY 2005
15	MD 108	Clarksville Pike; at Great Star Drive; intersection improvements (Funded for preliminary engineering only) (Howard County funding preliminary engineering for this project.)	75	FY 2005
16	MD 108	Old Annapolis Road; Howard High School entrance to Centre Park Drive/Phelps Luck Drive; widen to provide auxiliary lane (Funded for concept development only)	20	Concepts Underway
17	MD 175	Patuxent Parkway; 1,000 feet east and west of Tamar Drive and 1,000 feet east and west of Thunder Hill Road; mill and resurface to improve skid resistance (Revenue Increase Project)	400	FY 2005
		Noise Barriers		
18	US 29	Columbia Pike; 1000 feet north of MD 175 to Diamond Back Road; noise barrier along northbound roadway (Guilford Downs)	1,069	FY 2005
19	I 70	St. Johns Lane to US 29; noise barrier along westbound roadway (Brinkleigh/Skyview/The Orchards)	3,392	Under construction
20	I 95	5,000 feet north of MD 100 to Montgomery Road; noise barrier along northbound roadway (Hunt Club Estates)	1,750	Under construction

# STATE HIGHWAY ADMINISTRATION -- HOWARD COUNTY LINE 8 (cont'd)

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2004
		Fiscal Years 2005 and 2006 (cont'd)		
		Environmental Preservation		
21	MD 100	West of Snowden River Parkway to I-95; landscape	303	FY 2005
22	MD 100	Long Gate Parkway to east of Snowden River Parkway; landscape	393	Under construction
23	MD 216	Scaggsville Road; I 95 to US 29; reforestation	213	Under construction
		Commuter Action Improvements		
24	MD 32	Sykesville Road; at I 70; expand existing ridesharing facility	491	FY 2005
25	MD 32	Patuxent Parkway; at Brokenland Parkway Interchange; expand existing ridesharing facility	297	Under construction
		Intersection Capacity Improvements		
26	US 40	Baltimore National Pike; Ridge Road to St. Johns Lane; resurface and restripe westbound US 40 to provide 2 lane access to southbound US 29 ramp and modify overhead signing (Revenue Increase Project)	623	FY 2005
27	MD 108	Waterloo Road; at Snowden River Parkway; intersection improvement (Funded for concept development only)	47	FY 2005
28	MD 108	Clarksville Pike; Centennial Lane to Ten Mills Road; widen and realign (Funded for preliminary engineering only) (Howard County funding preliminary engineering for this project.)	0	FY 2005

# STATE HIGHWAY ADMINISTRATION -- HOWARD COUNTY LINE 8 (cont'd)

ITEM NO.	ROUTE NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START Status as of December 1, 2004
		Fiscal Years 2005 and 2006 (cont'd)		
		<u>Enhancements</u>		
		Pedestrian/Bicycle Facilities		
29		Centennial Access Pathway - construction of a 0.5 mile pathway and boardwalk from Old Annapolis Road to Centennial Park at Woodland Road.	250	FY 2005
		Environmental Mitigation		
30		Stormwater Management Facilities Enhancement - modifications to a retention pond and shallow marsh along MD 100 near I 95 and Meadowridge Road.	203	FY 2005